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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/830,225	04/23/2004	Dong Ju Moon	05823.0265	7752
	90 03/28/2007 NDERSON, FARABOW	EXAMINER		
LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			THOMPSON, MELISSA	
			ART UNIT	PAPER NUMBER
			1745	
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
31 DAVS 03/29/2007		02/28/2007	DADED	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Application No.	Applicant(s)		
		10/830,225	MOON ET AL.		
	Office Action Summary	Examiner	Art Unit		
	·	Melissa B. Thompson	1745		
Period f	The MAILING DATE of this communication a or Reply	ppears on the cover sheet with	the correspondence address		
WHI - Exte afte - If N - Fail Any	HORTENED STATUTORY PERIOD FOR REF CHEVER IS LONGER, FROM THE MAILING ensions of time may be available under the provisions of 37 CFR r SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory perion ure to reply within the set or extended period for reply will, by state reply received by the Office later than three months after the mained patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 1.136(a). In no event, however, may a reploy will apply and will expire SIX (6) MONTHULE, cause the application to become ABAN	ATION. by be timely filed IS from the mailing date of this communication. NDONED (35 U.S.C. § 133).		
Status					
1)⊠	Responsive to communication(s) filed on 11	April 2005.			
2a) <u></u> ☐	This action is FINAL . 2b)⊠ This action is non-final.				
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under	r <i>Ex par</i> te Quayle, 1935 C.D.	11, 453 O.G. 213.		
Disposit	tion of Claims				
4)⊠	Claim(s) 1-9 is/are pending in the application	٦.			
	4a) Of the above claim(s) is/are withdo	rawn from consideration.			
-	Claim(s) is/are allowed.				
	Claim(s) is/are rejected.				
·	Claim(s) is/are objected to.				
8)⊠	Claim(s) <u>1-9</u> are subject to restriction and/or	election requirement.			
Applicat	tion Papers				
9)[The specification is objected to by the Exami	ner.			
10)	The drawing(s) filed on is/are: a) a	ccepted or b) objected to by	the Examiner.		
	Applicant may not request that any objection to the	ne drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).		
. —	Replacement drawing sheet(s) including the corre		•		
11)	The oath or declaration is objected to by the	Examiner. Note the attached (Office Action or form PTO-152.		
Priority	under 35 U.S.C. § 119				
•	Acknowledgment is made of a claim for foreign All b) Some * c) None of:		19(a)-(d) or (f).		
	1. Certified copies of the priority docume				
	2. Certified copies of the priority docume	• •			
	3. Copies of the certified copies of the pr	· ·	eceived in this National Stage		
*	application from the International Bure See the attached detailed Office action for a li	, , , , , , , , , , , , , , , , , , , ,	regived		
,	dee the attached detailed Office action for a in	st of the certified copies flot re	serveu.		
Attachmei	nt(s)				
	ce of References Cited (PTO-892)	4) Interview Sur			
	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08)		Mail Date Irmal Patent Application		
	er No(s)/Mail Date	6) Other:	. ,		

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

 Claims 1-7, drawn to an electrochemical conversion system with a solid oxide fuel cell (SOFC), classified in class 429, subclass 30.

II. Claim 8 and 9, drawn to processes for preparing an electrochemical cell, classified in class 429, subclass 12.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the process could be used in an electrochemical conversion system with a transition metal as the catalyst instead of a noble metal.

If Group I is chosen, the following election of species must be made:

3. This application contains claims directed to the following patentably distinct species: Ni-YSZ coating and perovskite type metal oxide coating. The species are independent or distinct because they are two different types of ceramics that have different chemical properties.

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Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there are no generic claims.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

If Group II is chosen, the following election of species must be made:

4. This application contains claims directed to the following patentably distinct species: a process for reforming methane and carbon dioxide and a process for reforming hydrocarbon and carbon dioxide. The species are independent or distinct because each processes uses an aqueous solution of metal precursor and they contain different additives throughout the process.

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Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

5. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

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Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa B. Thompson whose telephone number is (571) 272-2758. The examiner can normally be reached on Monday through Friday from 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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GREGOCANTELMO PRIMARY EXAMINER

26 MARCH 2007